

# KX-AF2111N3

## 2 MP Entry Full-color Fixed-focal Bullet Network Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- 2-MP 1/2.8" CMOS image sensor, low luminance, and high-definition image.
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, and the max. illumination distance is 15 m.
- ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, privacy masking, network disconnection, IP conflict, and illegal access.
- 12 VDC/PoE power supply.
- IP67 protection.



Camera	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	2.8 mm: 10 m (32.81 ft) (Warm light) 3.6 mm: 15 m (49.21 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°
Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm; 3.6 mm
Max. Aperture	2.8 mm: F1.6 3.6 mm: F1.6
Field of View	2.8 mm: Horizontal: 106°; Vertical: 56°; Diagonal: 127° 3.6 mm: Horizontal: 88°; Vertical: 46°; Diagonal: 104°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.1 m (3.61 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	43.9 m (144.0 ft)	17.5 m (57.4ft)	8.8 m (28.9 ft)	4.4 m (14.4 ft)
	3.6 mm	54.8 m (179.8 ft)	21.9 m (71.9 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)
Video					
Video Compression	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	Main stream: 1920 × 1080@1 fps–25/30 fps Sub stream: 704 × 576@1 fps–25 fps 704 × 480@1 fps–30 fps *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.				
Stream Capability	2 streams				
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps				
Day/Night	Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	DWDR				
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom				
Gain Control	Auto; manual				
Noise Reduction	3D NR				
Motion Detection	OFF/ON (4 areas, rectangular)				

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Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
<b>Alarm</b>	
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; security exception
<b>Network</b>	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; Configuration encryption; Digest; WSSE; Account lockout; Security logs; Generation and importing of X.509 certification; Trusted boot; Trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast
Interoperability	ONVIF (Profile S); CGI; P2P
User/Host	6 (Total bandwidth: 36 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	KBiVMS, KBView Plus
Mobile Client	iOS; Android
<b>Power</b>	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 1.4 W (12 VDC); 2.2 W (PoE) Max. (H.265+IR intensity+ICR): 4.2 W (12 VDC); 5.3 W (PoE)

<b>Environment</b>	
Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Operating Humidity	≤ 95%
Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Protection	IP67
<b>Structure</b>	
Casing	Metal + plastic
Product Dimensions	162.6 mm × 70 mm × 70 mm (6.40" × 2.76" × 2.76") (L × W × H)
Net Weight	0.22 kg (0.49 lb)
Gross Weight	0.34 kg (0.75 lb)
<b>Dimensions (mm[inch])</b>	

